

Work Order ID 111135

111135

January-09-14 12:32:08 PM

Rev E S14/01/24

~~PRELIMINARY ISSUE~~ Page 1

Item ID: D4634-045

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Aft, Center Ceiling Panel Assembly

Start Date: 09/01/2014 Start Qty: 1.00

1

Cust Item ID:

Required Date: 24/01/2014 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

MS/MLS

Date: 14-01-09

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr	DAS
D4634	PD2 PD1 Res E	27 9-89

100 0.00

100

HandThermo

Memo

0.00

Hand Finishing Thermoforming

Pick Kit

(1) SAD 14/01/23

110

0.00

110

Small Fab

Memo

0.00

Small Fab

1- Assemble as per Dwg D4634-045 ✓

2- install No Smoking & seat belt symbols ✓

3- Install led lights ✓

4- Install Air valves ✓

5-Install Wiring Harness ✓

~~5-Install wiring harness~~

(1x) 14/01/23
SAD 14/01/23

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 111135

January-09-14 12:32:08 PM

111135

Page 2

Item ID: D4634-045 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Aft, Center Ceiling Panel Assembly
 Start Date: 09/01/2014 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 24/01/2014 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

POSITIVE RECALL
 EFFECTIVE 14/01/22 AUTH *[Signature]*
 RELEASED *[Signature]* DATE 14/01/24

POSITIVE RECALL
 EFFECTIVE 14/01/09 AUTH *[Signature]*
 RELEASED _____ DATE _____

Release Dwg as per
 Rev E 14/1/03

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

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Picklist Print

Tuesday, January 21, 2014 1:37:02 PM

Page 1

Work Order ID: 111135

Parent Item: D4634-045

Parent Item Name: Aft, Center Ceiling Panel Assembly

Start Date: 1/9/2014

Required Date: 1/24/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev. A 12/08/09 New Issue DL
DL VERIFIED BY:JLM IPP Rev C Dwg Update 13/07/09 DL verf: DD
IPP Rev D Dwg Update 13/12/23 DL IPP REV E Dwg Update 14/01/20
DL

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
2351-20-27-C3C STUD		Purchased	No				Each	80.0000					

Location	Loc Qty	Loc Code
ST396	80	
m126740	30	
m127922	50	

50-009-2 Grommet		Purchased	No				Each	1.0000					
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Location	Loc Qty	Loc Code
ST378	1	
122594	1	

D4634-145 Aft, Center Ceiling Replacement Panel Assembly		Manufactured	No			100	Each	0.0000	1	1			
D4646-1 Plenum Cap Assembly		Manufactured	No			100	Each	84.0000	2	2			

Location	Loc Qty	Loc Code
ST116	84	
103832	66	
92968	6	
95779	12	

D4652-1 Air Valve, 1.16 Id Disk Type		Manufactured	No			100	Each	203.0000	2	2			
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Location	Loc Qty	Loc Code
prelim	12	
111316	12	
ST099	191	
111311	191	

m 111317

SAD 14/01/22

14/01/23 *

14/01/23

SAD 14/01/22

SAD 14/01/22

Picklist Print

Tuesday, January 21, 2014 1:37:03 PM

Page 2

Work Order ID: 111135

Parent Item: D4634-045

Parent Item Name: Aft, Center Ceiling Panel Assembly

Start Date: 1/9/2014

Required Date: 1/24/2014

Start Qty: 1.00

Required Qty: 1.00

D4728-049 Manufactured No

100 Each 0.0000

Advisory Light, Aft

D4728-055 Manufactured No

100 Each 1.0000

Cabin Lights #3

Location

Loc Qty

Loc Code

ST121

1

93458

1

PLT15M-M

Purchased No

100 Each 1,008.0000

Tie Wrap

Location

Loc Qty

Loc Code

ST389

1008

124363

8

m126551

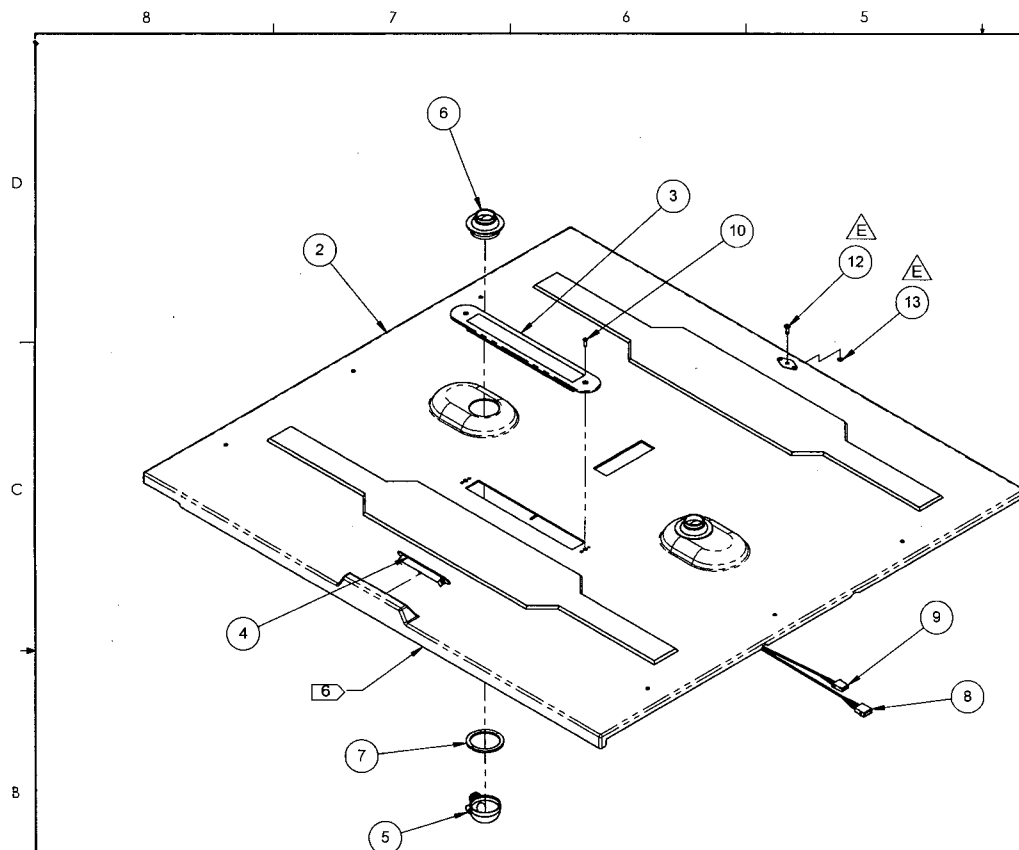
1000

1 1 14/01/23 X

1 SAD 14/01/22

8 14/01/22

3 10



ITEM NO.	QTY. -045	PART NUMBER	DESCRIPTION
1	X	D4634-045	AFT, CENTER CEILING PANEL ASSY
2	1	D4634-145 ✓	AFT, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4638-1 (REF)	LED LIGHT (PART OF D4728-055)
4	1	D4645-1 (REF)	NO SMOKING & FASTEN BELT LIGHT (PART OF D4728-049)
5	2	D4646-1 ✓	PLENUM CAP ASSEMBLY
6	2	D4652-1 ✓	AIR VALVE
7	2	D4652-3 (REF)	MOUNTING NUT (PART OF D4652-1)
8	1	D4728-049 ✓	ADVISORY LIGHT (AFT) HARNESS ASSEMBLY
9	1	D4728-055 ✓	CABIN LIGHT #3 ASSEMBLY
10	2	N/A (REF)	SCREW (PART OF D4728-055)
11	10	PLT1.5M-M ✓	TIE-WRAP (OR PLT1.5M-C)
12	1	2351-20-27-C3C	STUD
13	1	50-009-2	GROMMET

D4634-045 AFT, CENTER CEILING PANEL ASSY

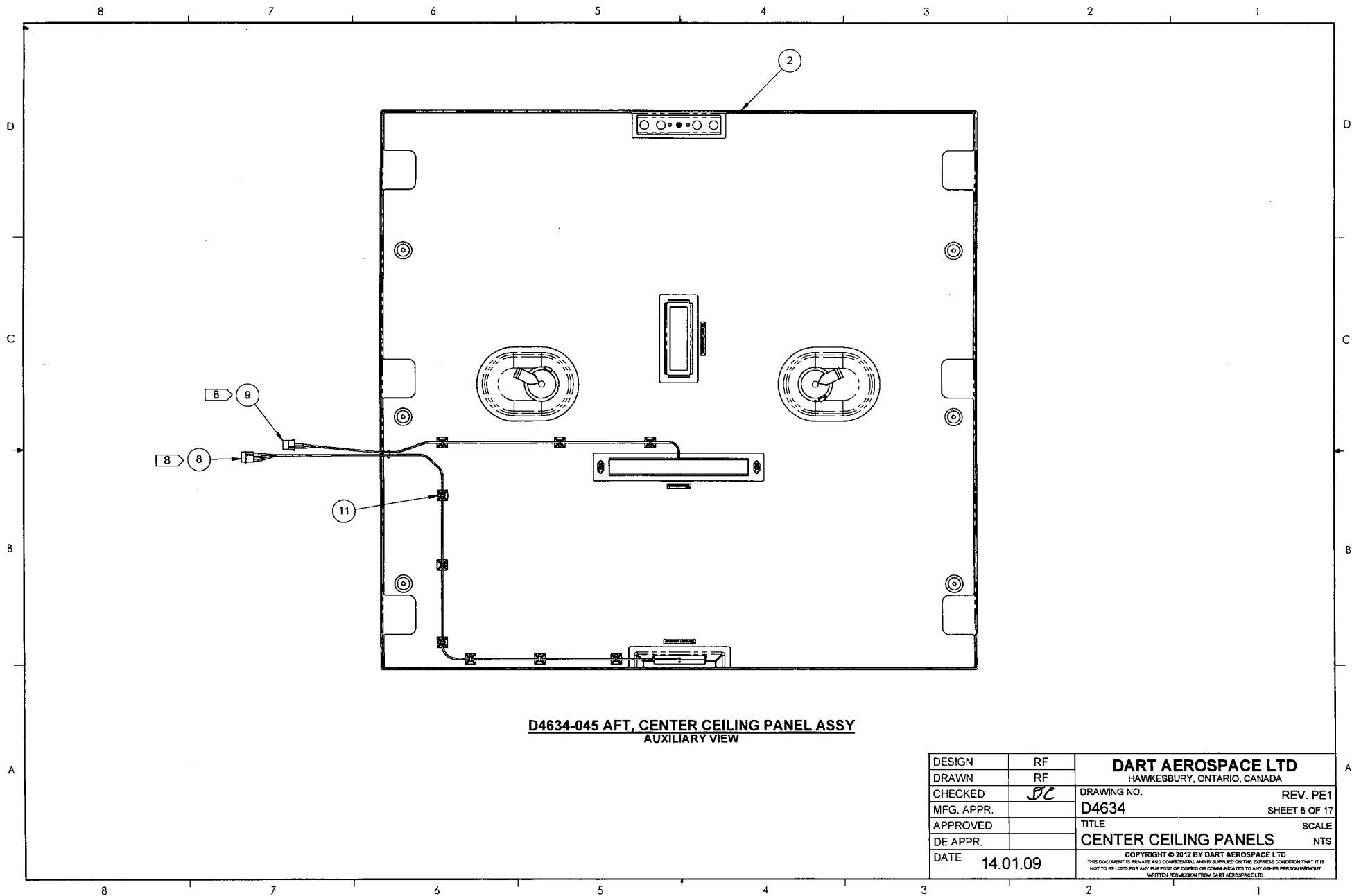
NOTES:

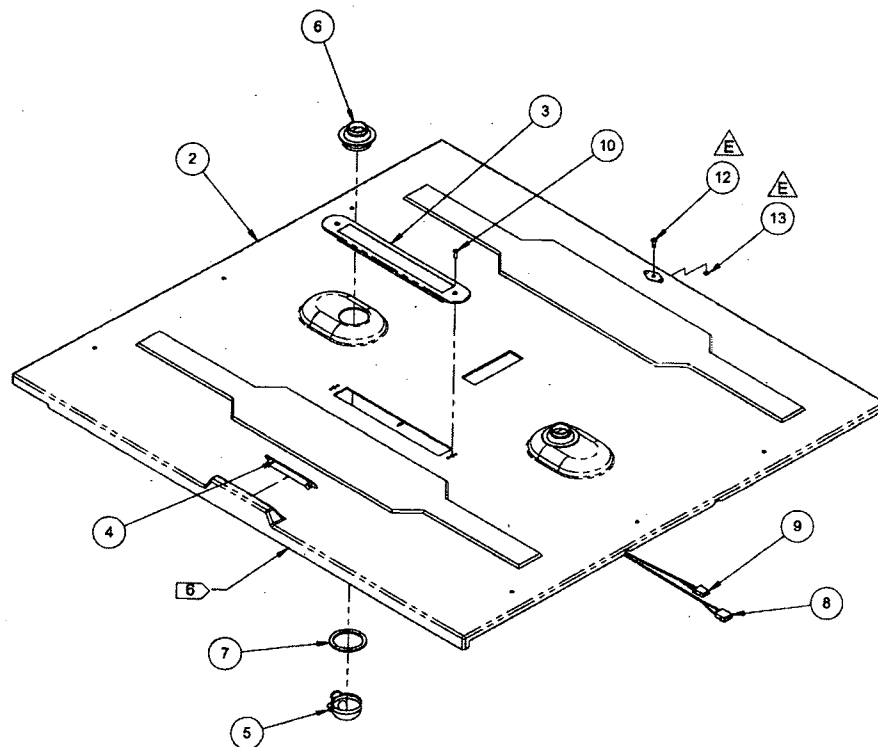
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 9.97 lbs
- 8) INSTALL D4728-049/-055 WIRE HARNESS PER QSI 048

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	RF	
CHECKED	<i>SC</i>	DRAWING NO.
MFG. APPR.		D4634
APPROVED		TITLE
DE APPR.		CENTER CEILING PANELS
DATE	14.01.09	SCALE
		NTS

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REV. PE1
SHEET 5 OF 17





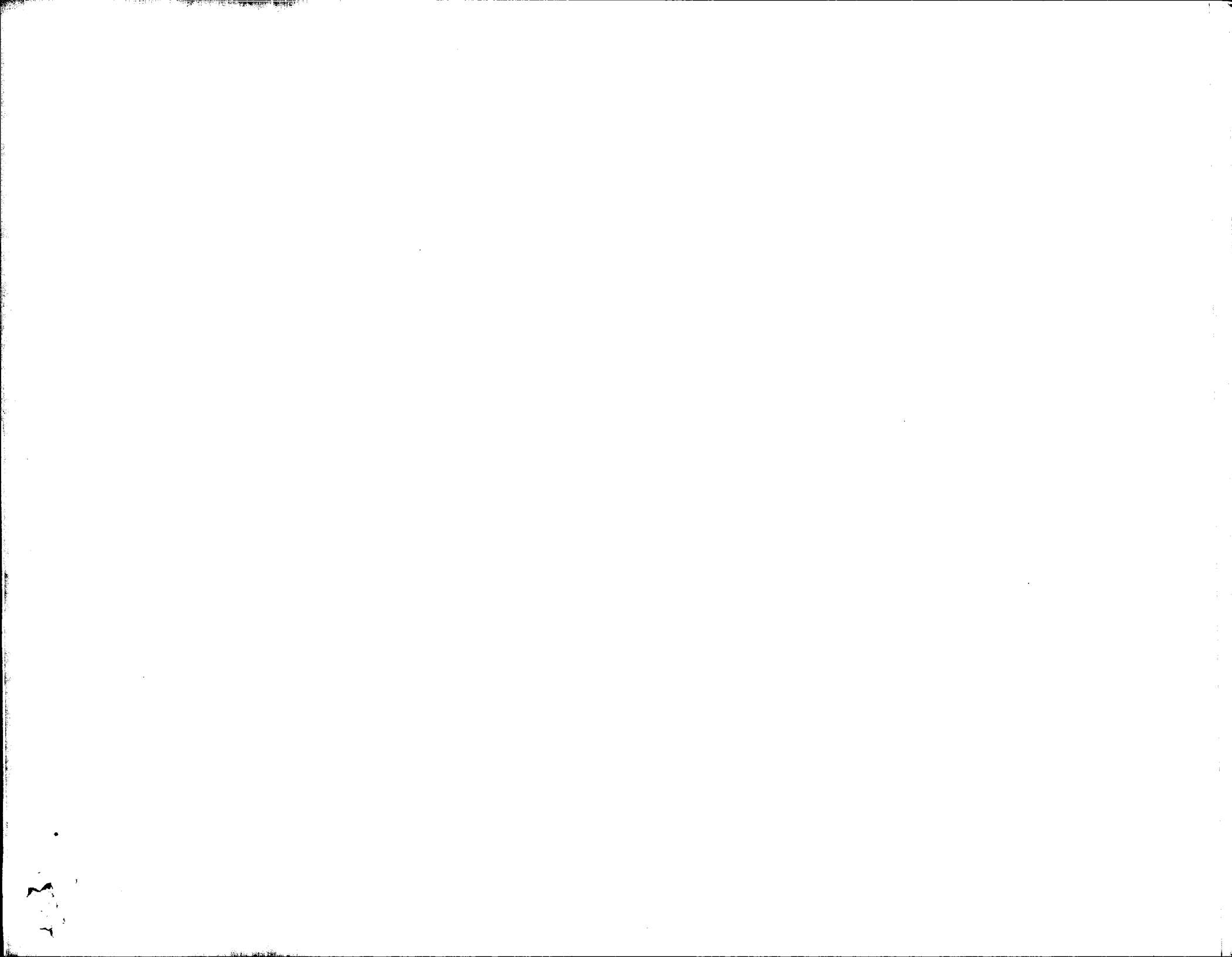
D4634-045 AFT, CENTER CEILING PANEL ASSY

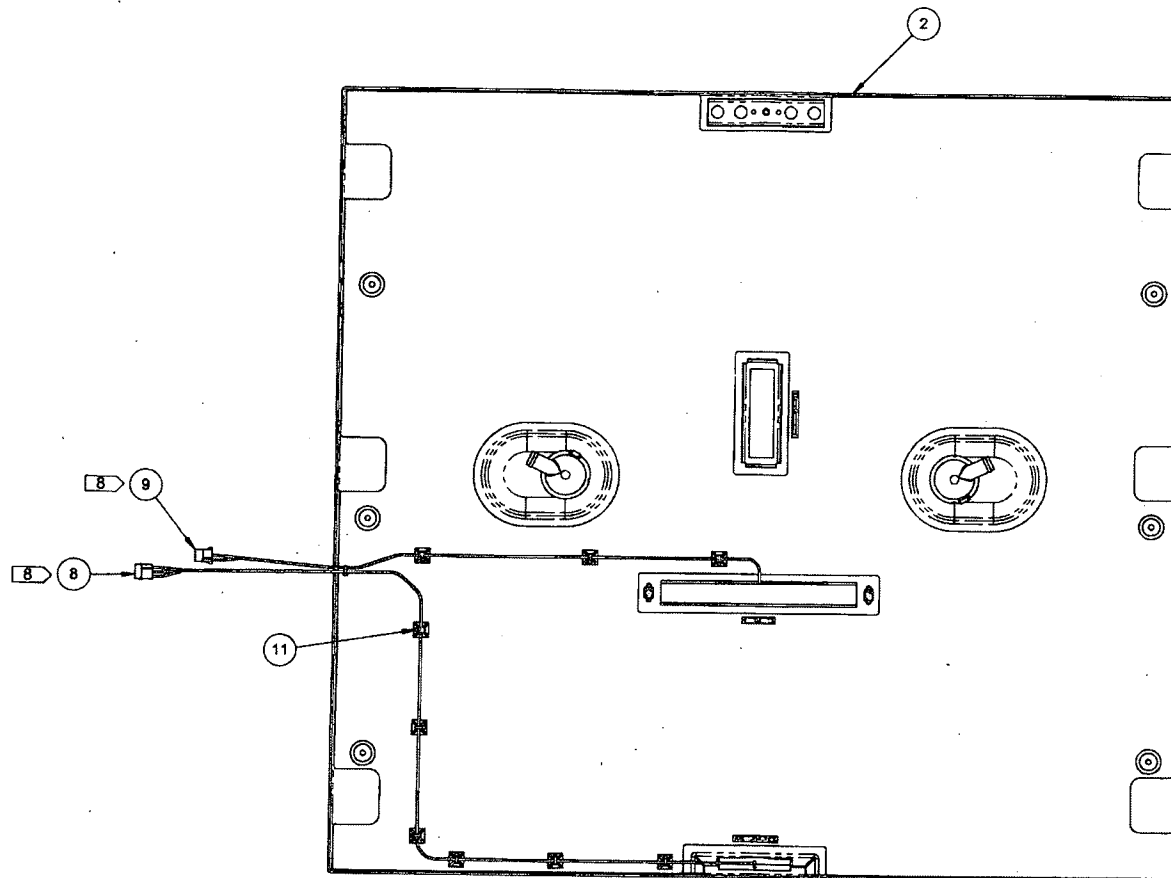
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 10.5 lbs
- 8) INSTALL D4728-049/-055 WIRE HARNESS PER QSI 048

ITEM NO.	QTY. -045	PART NUMBER	DESCRIPTION
1	X	D4634-045	AFT, CENTER CEILING PANEL ASSY
2	1	D4634-145	AFT, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4638-1 (REF)	LED LIGHT (PART OF D4728-055)
4	1	D4645-1 (REF)	NO SMOKING & FASTEN BELT LIGHT (PART OF D4728-049)
5	2	D4646-1	PLENUM CAP ASSEMBLY
6	2	D4652-1	AIR VALVE
7	2	D4652-3 (REF)	MOUNTING NUT (PART OF D4652-1)
8	1	D4728-049	ADVISORY LIGHT (AFT) HARNESS ASSEMBLY
9	1	D4728-055	CABIN LIGHT #3 ASSEMBLY
10	2	N/A (REF)	SCREW (PART OF D4728-055)
11	10	PLT1.5M-M	TIE-WRAP (OR PLT1.5M-C)
12	1	2351-20-27-C3C	STUD
13	1	50-009-2	GROMMET

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	PC	DRAWING NO.	REV. E
MFG. APPR.	PC	D4634	SHEET 5 OF 17
APPROVED	PC	TITLE	SCALE
DE APPR.	PC	CENTER CEILING PANELS	NTS
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D4634-045 AFT. CENTER CEILING PANEL ASSY
AUXILIARY VIEW

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	PC	DRAWING NO.	REV. E
MFG. APPR.	PC	D4634	SHEET 6 OF 17
APPROVED	PC	TITLE	SCALE
DE APPR.	PC	CENTER CEILING PANELS	NTS
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